E3 Gate valve | Combi valves

Overview

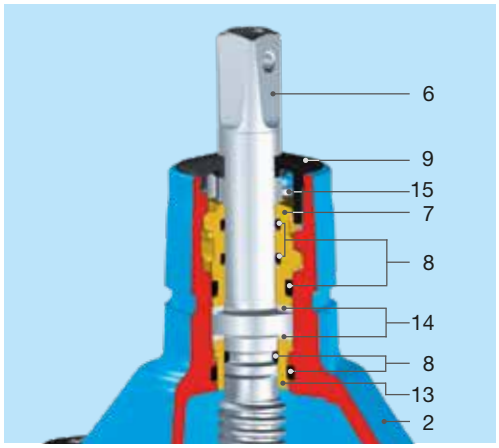
Design features

- Resilient seated gate valve according to EN 1171, EN 1074-1 and EN 1074-2 with smooth, straight-through bore
- Double bayonet O-ring carrier is connecting the spindle to the bonnet, allowing a fully encased, uniform epoxy powder coated bonnet for further improved corrosion protection
- Wedge guide made of wear resistant POM material in load optimized design minimizes attrition and ensures lowest torque actuation
- Wedge is flexible and fully linked in vulcanized elastomer to the wedge nut. This snug fit dampens vibration during opening and closing of the wedge
- Wedge nut has a long thread length allowing significantly higher torques than the standard before breaking
- O-rings, lip-seals mounted in the bonnet are replaceable under operating pressure
- Extended edge protection to avoid damages during transport, storage and assembly
- Sliding disks and ball bearing assure low friction performance of the spindle
- 100% suitable for buried installations

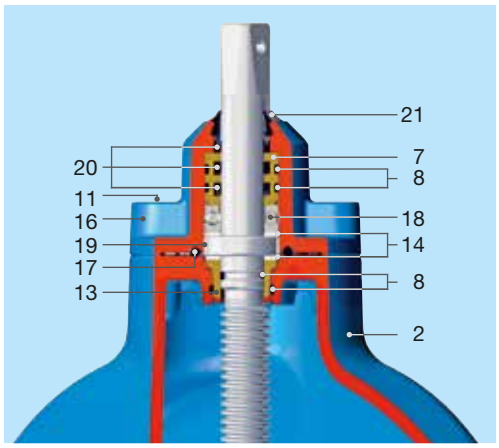
Material | Technical features

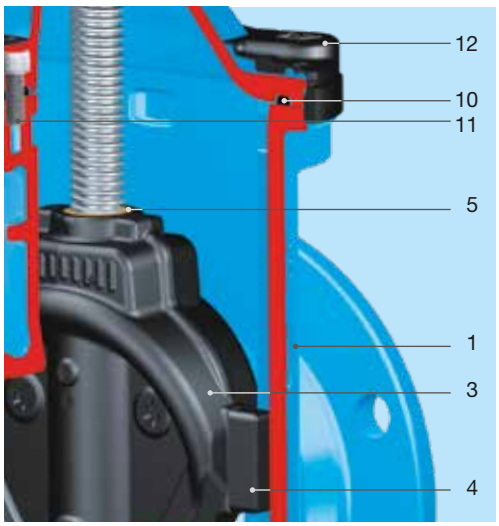
1,2 Body (1), bonnet (2), centering flange (16) made of ductile iron,
16 epoxy powder coated inside and out
3 Wedge made of ductile iron (DN 50 made of dezincification-resistant brass) with vulcanized elastomer all-over
4 Wedge guide made of wear-resistant plastic
5 Wedge nut made of dezincification-resistant brass
6 Duplex stainless steel spindle with rolled thread and flat-rolled anti-friction surface
7 O-ring carrier made of brass, DN 50 — 200 with double bayonet
8 O-rings made of elastomer
9 Wiper ring made of PE
10 Bonnet gasket made of elastomer
11 Allen screws made of stainless steel, encased into the body with interlacing gasket and sealing compounds, ensuring full corrosion protection
12 Extended edge protection made of PE
13 Spindle bearing made of dezincification resistant brass
14 Sliding disks made of POM
15 Safety screw made of stainless steel
17 Centering flange gasket made of elastomer
18 Axial ball bearing permanently lubricated
19 Centering ring made of POM
20 Lip seals made of elastomer
21 Wiper ring made of elastomer

DN 50 — 200
Spindle bearing with sliding disks



DN 250 — 400 Spindle bearing with ball bearing and additional sliding disks





DN 500 — 600 in preparation - currently available - see page A 11/3

E3 Reducing valve
With flange DN 65 — 300, PN 10 | PN 16

Design features

- Resilient seated gate valve with unequal flange sizes
- Flanges sized in accordance with EN 1092-2, drilled according to EN 1092-2 | PN 10 standard; EN 1092-2 | PN 16 DN 200 please specify on order - other standards on request
- This E3 reduction valve is a gate valve and a reducing connector in one piece; this feature provides for a multitude of application possibiltites for the most efficient material and space requirements
- One extension spindle for several dimensions
- Suitable for operation by automatic actuators
- Easy retrofitting of position indicator and automatic actuators on the standard bonnet
- Duplex stainless steel spindle

Standard version: without handwheel and extension spindle

Design versions: for actuator: No. 4150ELE3
with position indicator: No. 4150STE3

Special versions: on request

No. 4150E3

DVGW GEPRÜFT

Suitable accessories

Suitable accessories: see page A 2/2

Handwheel:		No. 7800
Extension spindles:	rigid	No. 9000E2/E3
	telescopic	No. 9500E2/E3
Surface boxes:	rigid	No. 1750
	telescopic	No. 2050
		No. 2051K
Valve actuator:		No. 9920
Adapter for actuator (E2/E3 adapter):		No. 8630E2/E3
Base plate:	No. 3481, No. 3482	
Operating cap:	No. 2156, No. 2157	
Extension spindle:	No. 7820, No. 7825	
Position indicator:	No. 2170E2/E3	
Bolts:	No. 8810, No. 8830, No. 8840	
HAWAK-pillar:	No. 9894, No. 9895	
Flat gasket:	No. 3390, No. 3470	

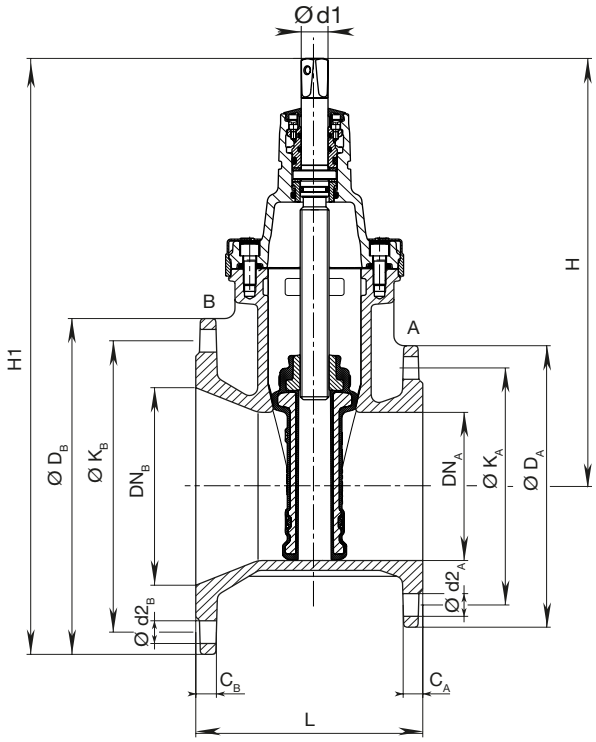
Order no.	MOP (PN)	Dimensions/DN*													
		100 65	100 80	125 80	125 100	150 80	150 100	150 125	200 100	200 150	250 150	250 200	300 150	300 200	300 250
4150E3	16														

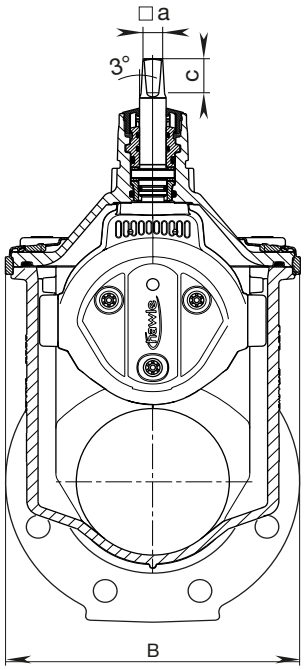
* The valve is sized in accordance with the smaller flange

E3 Reducing valve

With flange DN 65 — 300, PN 10 | PN 16

No. 4150E3





DN	MOP (PN)	Flange A					Flange B					Spindle			Valve				Weight
		Ø D_A	C_A	Ø K_A	Ø $d2_A$	n_A*	Ø D_B	C_B	Ø K_B	Ø $d2_B$	n_B*	a	c	Ød1	H	H1	L	B	
100 — 65	10 16	185	19	145	19	4	220	19,0	180	19	8	17,3	33,8	25	305	415	180	180	18,0
100 — 80	10 16	200	19	160	19	8	220	19,0	180	19	8	17,3	33,8	25	313	423	190	180	19,5
125 — 80	10 16	200	19	160	19	8	250	19,0	210	19	8	17,3	33,8	25	313	438	200	180	21,5
125 — 100	10 16	220	19	180	19	8	250	19,0	210	19	8	19,3	37,2	25	343	468	200	213	24,0
150 — 80	10 16	200	19	160	19	8	285	19,0	240	23	8	17,3	33,8	25	313	456	200	180	24,0
150 — 100	10 16	220	19	180	19	8	285	19,0	240	23	8	19,3	37,2	25	343	486	210	213	26,5
150 — 125	10 16	250	19	210	19	8	285	19,0	240	23	8	19,3	34,9	28	421	564	210	285	36,0
200 — 100	10 16	220	19	180	19	8	340	20,0	295	23	8 12	19,3	37,2	25	343	513	210	213	29,0
200 — 150	10 16	285	19	240	23	8	340	20,0	295	23	8 12	19,3	34,9	28	433	603	220	285	42,5
250 — 150	10 16	285	19	240	23	8	400	22,0	350 355	23 28	12	19,3	34,9	28	433	633	230	285	49,0
300 — 150	10 16	285	19	240	23	8	455	24,5	400 410	23 28	12	19,3	34,9	28	433	661	240	285	68,0
250 — 200	10 16	340	20	295	23	8 12	400	22,0	350 355	23 28	12	24,3	47,3	32	541	741	240	357	69,0
300 — 200	10 16	340	20	295	23	8 12	455	24,5	400 410	23 28	12	24,3	47,3	32	541	769	250	357	74,0
300 — 250	10 16	400	22	350 355	23 28	12	455	24,5	400 410	23 28	12	27,3	48	34	649	877	260	432	105,0

The valve is sized in accordance with the smaller flange nA*, nB* = bolts per flange